

CLAIMS

1. An individual authentication method using a recording medium comprising:

a. the registration information forming step of registering both user information including at least one information unit known by a user to be registered in authentication and non-user information including at least one information unit unknown by the user in the recording medium in advance to form registration information;

b. the registration information issuing step of issuing at least one of the registration information and access information to access a registered medium to the user;

c. the registration information presenting step of causing a user candidate to present registration information directly or indirectly recorded on the recording medium by using a recording medium owned by the user candidate in user authentication;

d. the user information selecting step of causing the user candidate to select the user information in the presented registration information; and

e. the user authentication step of authenticating the user candidate as the user only when the user candidate selects the user information in the registration information.

2. An individual authentication method using a recording medium comprising:

a. the registration information forming step of registering both user information including at least one information unit known by a user to be registered in authentication and non-user information including at least one information unit unknown by the user for user authentication in the recording medium built in an electronic device in advance to form registration information;

b. the registration information issuing step of issuing access information to access the recording medium on which the registered information to the user;

c. the registration information presenting step of causing a user candidate to access the recording medium of the electronic device by the access information owned by the user candidate to present registration information recorded on the recording medium;

d. the user information selecting step of causing the user candidate to select the user information presented by the recording medium of the electronic device on an authentication management side; and

e. the user authentication step of authenticating the user candidate as the user only when the user candidate selects the user information in the registration information.

3. The individual authentication method using a recording medium according to claim 1 or 2, wherein the user information is selected from any one of a long-term memory and an episode memory of the user.

4. The individual authentication method using a recording medium according to claim 1 or 2, wherein the user information is selected from any one of a long-term memory and an episode memory of the user.

5. The individual authentication method using a recording medium according to claim 1, 2, 3, or 4, wherein the non-user information is non-user information synthesized on the basis of the user information.

6. An individual authentication system using a recording medium, the recording medium being constituted by a memory function by using an electronic device in which a memory function is built,

the memory function having functions of:

registration information recording means which registers both user information including at least one information unit known by a user to be registered in authentication and non-user information including at least one information unit unknown by the user for user authentication in the recording medium in

advance to record registration information; and

access information recording means which records access information given to the user, comprising

an authentication computer having:

access information comparison determining means which confirms, when a user candidate inputs access information, that the access information is access information given to the user candidate in user authentication;

registration presenting means which outputs the registration information recorded on the registration information recording means on the basis of generation of a confirmation signal from the access information determining means;

user information determining means which compares input user information selected from the presented registration information with the recorded user information for authentication; and

an authentication signal generating means which generates an authentication signal to the electronic device in which the recording medium is built on the basis of authentication determination of the user information determining means to permit the user to use the electronic device.

7. An individual authentication system using a recording medium,

the recording medium being managed by a user as recording means such as paper, a metal, ceramics, a magnetic medium, an optical medium, and electronic medium having a recording function,

the recording medium having functions of:

registration information recording means which registers both user information including at least one information unit known by the user to be registered in authentication and non-user information including at least one information unit unknown by the user for user authentication in advance to record registration information; and

access information recording means which records access information given to respective recording media, comprising:

an authentication computer having:

access information comparison determining means which confirms, when a user candidate inputs access information, that the access information is access information given to the user candidate in user authentication;

user information determining means which compares input user information selected from registration information with the recorded user information for authentication on the basis of generation of a confirmation signal from the access information determining means; and

an authentication signal generating means to generate an authentication signal to the electronic device to be

authenticated by the recording medium on the basis of authentication determination of the user information determining means.

8. An individual authentication system using a recording medium,

the recording medium being managed by a user as recording means such as paper, a metal, ceramics, a magnetic medium, an optical medium, and electronic medium having a recording function,

the recording medium having a function of access information recording means which records access information given to respective recording media, comprising:

an authentication computer having:

access information comparison determining means which confirms, when a user candidate inputs access information, that the access information is access information given from the recording medium to the user candidate in user authentication;

registration information presenting means which outputs the registration information recorded by the registration information recording means on the basis of generation of a confirmation signal from the access information determining means;

user information determining means which compares input user information selected from the presented registration

information with the recorded user information for authentication; and

an authentication signal generating means to generate an authentication signal to the electronic device to be authenticated by the recording medium on the basis of authentication determination of the user information determining means.

9. The individual authentication system using a recording medium according to claim 6, 7, or 8, wherein the user information is selected from any one of a long-term memory and an episode memory of the user.

10. the individual authentication system using a recording medium according to claim 6, 7, 8, or 9, wherein at least one of the user information is an information unit for an unwilling authentication signal used when user authentication is performed despite the intention of the user.

11. The individual authentication system using a recording medium according to claim 6, 7, 8, 9, or 10, wherein the non-user information is non-user information synthesized on the basis of the user information.

12. The individual authentication system using a

recording medium according to claim 6, 7, 8, 9, 10, or 11, wherein pieces of individual registration information and pieces of access information are held.